	Application No.	Applicant(s)
	10/667,949	UMBERGER ET AL.
Notice of Allowability	Examiner	Art Unit
	Michael C. Maskulinski	2113
The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Report of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communicati IGHTS. This application is subject	application. If not included on will be mailed in due course. THIS
1. X This communication is responsive to 11 January 2007.		
2. The allowed claim(s) is/are <u>1-16 and 20-23</u> .		
3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the:	nder 35 U.S.C. § 119(a)-(d) or (f).	
 Certified copies of the priority documents have 	been received.	
2. Certified copies of the priority documents have	been received in Application No.	•
Copies of the certified copies of the priority do	cuments have been received in th	is national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ly complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	·
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PT	O-948) attached
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the	e Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL FOR THE DEPOSIT OF BIOLOG	_ must be submitted. Note the ICAL MATERIAL.
	•	
Attachment(s)		
1. Notice of References Cited (PTO-892)	5. Notice of Informa	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Summa Paper No./Mail D	ry (PTO-413), Date
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	Paper No./Mail I 7. ☐ Examiner's Amer	dment/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's State	ment of Reasons for Allowance
•	9. Other	
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Reasons for Allowance

- 1. Claims 1-16 and 20-23 are allowed.
- 2. The following is an examiner's statement of reasons for allowance.

As per claims 1 and 11, although Tamai et al. disclose enqueuing the read or write request to be processed from among the read or write requests enqueued to the queue according to a predetermined priority, Tamai et al. do not disclose altering an existing queue according to a predetermined priority. Therefore, the prior art does not teach or reasonably suggest altering placement of input/output requests in a queue in response to identifying that the storage array is close to permanently losing data, wherein placement in the queue of I/O requests for rebuilding at least a portion of the storage array is altered in order to increase priority with respect to host I/O requests.

As per claim 15, the prior art does not teach or reasonably suggest a queue controller configured to order requests in the queue structure so that host I/O requests are placed into the request queue structure below existing host I/O requests but above existing rebuild I/O requests when host I/O requests are to have priority.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Maskulinski whose telephone number is 571-272-3649. The examiner can normally be reached on M-F 9:30-6:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on 571-272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael C Maskulinski

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Examiner
Art Unit 2113